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Attorney's Docket No.: 07419-032001 / LA99-566-6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Eisenberg et al. Art Unit : Unassigned
Serial No. : 09/712,363 Examiner : Unassigned
Filed : November 13, 2000
Title : DETERMINING THE FUNCTIONS AND INTERACTIONS OF PROTEINS BY
COMPARATIVE ANALYSIS

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Enclosed for filing in the above-referenced patent application is a Form PTO-1449, being submitted prior to the first Office Action on the merits. Applicants respectfully request consideration of the remarks and references set forth herein.

The following documents are enclosed herewith:

- copy of Form PTO-1449
- Postcard
- copies of cited references

REMARKS

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

May 17, 2001

Date of Deposit

Signature

Marian Christopher

Typed or Printed Name of Person Signing Certificate

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As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

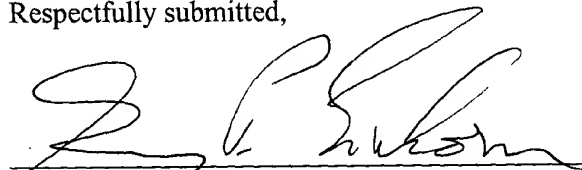
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 06-1050. If necessary, please deduct any necessary additional fees from, or credit any overpayment to, the above-noted Deposit Account.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 858 678 5070.

Respectfully submitted,

Date:

5/17/01



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Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.

Application No.

07419-032001

09/712,363

**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant

Eisenberg et al.

Filing Date

November 13, 2000

Group Art Unit

Unassigned 1637

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
TS	AH	WO 00/45322	Aug. 3, 2000	PCT	G06F	19/00	X	
	AI							
	AJ							
	AK							
	AL							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
TS	AM	Marcotte, E.M., et al., "A combined algorithm for genome-wide prediction of protein function," NATURE GB, Vol. 402, no. 6757 (1999), pp. 83-86.
	AN	Pellegrini, M., et al., "Assigning protein functions by comparative genome analysis: Protein phylogenetic profiles," Proc. Natl. Acad. Sci. USA, Vol. 96 (1999) pp. 4285-4288.
	AO	Enright, A.J., et al., "Protein Interaction maps for complete genomes based on gene fusion events," NATURE, Vol. 402 (1999), pp. 86-90.
	AP	Tatusov, R.L., et al., "A Genomic Perspective on Protein Families," SCIENCE, Vol. 278 (1997), pp. 631-637.
	AQ	Marcotte, E.M., et al., "Detecting Protein Function and Protein-Protein Interactions from Genome Sequences," SCIENCE, Vol. 285 (1999), pp. 751-753.
TS	AR	Eisen, M.B., et al., "Cluster analysis and display of genome-wide expression patterns," Proc. Natl. Acad. Sci. USA, Vol. 95 (1998), pp. 14863-14868.

Examiner Signature <i>Teresa Struelens</i>	Date Considered <i>7/31/02</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
07419-032001Application No.
09/712,363**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Eisenberg et al.Filing Date
November 13, 2000Group A
1645

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date, If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AI							
	AJ							
	AK							
	AL							
	AM							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
TS	AN	Bork et al., "Predicting Function: From Genes to Genomes and Back", <i>J. Mol. Biol.</i> , (1998) 283, 707-725
	AO	Mark A. Ragan et al., "Microbial Genescapes: A Prokaryotic View of the Yeast Genome", <i>Microbial & Comparative Genomics</i> , Vol. 3, No. 4, 1998
	AP	Roman L. Tatusov et al., "Metabolism and evolution of <i>Haemophilus influenzae</i> deduced from a whole-genome comparison with <i>Escherichia coli</i> ", <i>Current Biology</i> , 1996, Vol. 6, No. 3, pp. 279-291
	AQ	Stanley Fields et al., "A novel genetic system to detect protein-protein interactions", <i>Nature</i> , Vol. 340, July 20, 1989, pp. 245-246
	AR	Frederick R. Blattner et al., "The Complete Genome Sequence of <i>Escherichia coli</i> K-12," <i>Science</i> , Vol. 277, Sept. 5, 1997, pp. 1453-1462
TS	AS	Peter D. Karp et al., "EcoCyc: Encyclopedia of <i>Escherichia coli</i> genes and metabolism", <i>Nucleic Acids Research</i> , 1998, Vol. 26, No. 1, pp. 50-53

Examiner Signature

Teresa Struelens

Date Considered

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07419-032001	Application No. 09/712,363
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Eisenberg et al.	
		Filing Date November 13, 2000	Group Art Unit 1645 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
TS	AT	Pazos, et al., "Comparative analysis of different method for the detection of specificity regions in protein families," Biocomputing and Emergent Computation, Online, pages 1-13, 1997, Retrieved from the Internet on June 22, 2000 <URL:http://www.cnb.uam.es/{cnbprot/conf/TD.html
TS	AU	Corpet et al., "The ProDom database of protein domain families", <i>Nucleic Acids Research</i> , 1998, Vol. 26, No. 1, pp. 323-326

Examiner Signature

Teresa Stnelella

Date Considered

7/31/02

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